

40

```
1. # cgi-bin/step
2. echo Content-type: text/html; echo
3. case $QUERY_STRING in
4. 1) cat ..htdocs/step_5.html;;
5. 5) cat ..htdocs/step_1.html;;
6. *) echo "<html><body><h2>Bad</h2></body></html>";;
7. esac;
```

## FIG. 1

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```
1. <!-- -htdocs/step1.html -->
2. <html><head><title>1</title></head>
3. <body><h2>1</h2>
4. <script src=/chain.js></script>
5. <form> <input type="button" value="ClickMe"
6. onClick="chain(1);"
7. </form></body></html>
```

## FIG. 2

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```
1. function chain(id){
2. window.location = "/cgi-bin/step?"+id;
3. }
```

## FIG. 3

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```
1. #!/bin/sh
2. echo Content-type: text/plain; echo
3. case $QUERY_STRING in
4.   1) echo 5;;
5.   5) echo 1;;
6.   *) echo 0;;
7. esac
```

FIG. 4

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```
1. import java.applet.Applet;
2. import java.net.*;
3. import java.io.*;
4. public class GetState extends Applet {
5.   public String Chain(String server, String p)
6.     throws Exception {
7.     URL stater = new URL(server+"?"+p);
8.     URLConnection sc = stater.openConnection();
9.     BufferedReader nxt = new BufferedReader(
10.       new InputStreamReader(
11.         sc.getInputStream()));
12.     String res;
13.     res = nxt.readLine();
14.     nxt.close();
15.     return res;
16.   }
17. }
```

FIG. 5

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```
1. <html><head><title>hello</title></head>
2. <body> Loading...
3. <applet name=GetState code="GetState.class"
4.           width="40" height="20" >
5. </applet> ok.
6. <form>
7. <input type="input" value=5 name=data>
8. <input type="button" value="Chain"
9.       onClick=" data.value = document.GetState.Chain(
10.           'http://localhost/cgi-bin/chain',
11.           data.value);">
12. </form></body>
```

## FIG. 6

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```
1. <html><head><title> 5 </title></head>
2. <applet name=GetState code="GetState.class"
3.           width="40" height="20" >
4. </applet>
5. <body><h2> 5 </h2>
6. <form>
7. <input type="button" value="ClickMe"
8.       onClick="window.location='chain_'
9.           +document.GetState.Chain(
10.               'http://localhost/cgi-bin/chain',5)
11.               +'.html';">
12. </form>
13. </body></html>
```

## FIG. 7

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```
1. <html><head><title> CHAIN </title></head>
2. <applet name=GetState code="GetState.class"
3.           width="40" height="20" >
4. </applet>
5. <script>
6. var url = 'http://heuropan/cgi-bin/chain';
7. var state = 5;
8. var red = "#FF0000";
9. var green = "#00FF00";
10. var blue = "#0000FF";
11. function exec() {
12.     var nstate = document.GetState.Chain(url, state);
13.     if (nstate == 99) {
14.         if (confirm("OK?"))
15.             state = nstate;
16.     } else
17.         state = nstate;
18.     if (state == 1)
19.         document.bgColor = red;
20.     else if (state == 5)
21.         document.bgColor = green;
22.     else
23.         document.bgColor = blue;
24. </script>
25. <body><h2> CHAIN </h2>
26. <form>
27. <input type="button" value="ClickMe"
28.           onClick="exec();">
29. </form>
30. </body></html>
```

FIG. 8

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```
1. function chain_1() {
2.     alert("1 called");
3. }
4. function chain_5() {
5.     alert("5 called");
6. }
7. function chain_99() {
8.     alert("99 called");
9. }
10. var url = 'http://heuropan/cgi-bin/chain';
11. var state = 5;
12. function exec() {
13.     state = document.GetState.Chain(url, state);
14.     eval ("chain_"+state+" ()");
15. }
```

FIG. 9

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```
1. <html><head><title> CHAIN-EVAL </title></head>
2. <applet name=GetState code="GetState.class"
3.         width="40" height="20" >
4. </applet>
5. <script src=chain_x.js> </script>
6. <body><h2> CHAIN-EVAL </h2>
7. <form>
8. <input type="button" value="ClickMe"
9.       onClick="exec();">
10. </form>
11. </body></html>
```

FIG. 10

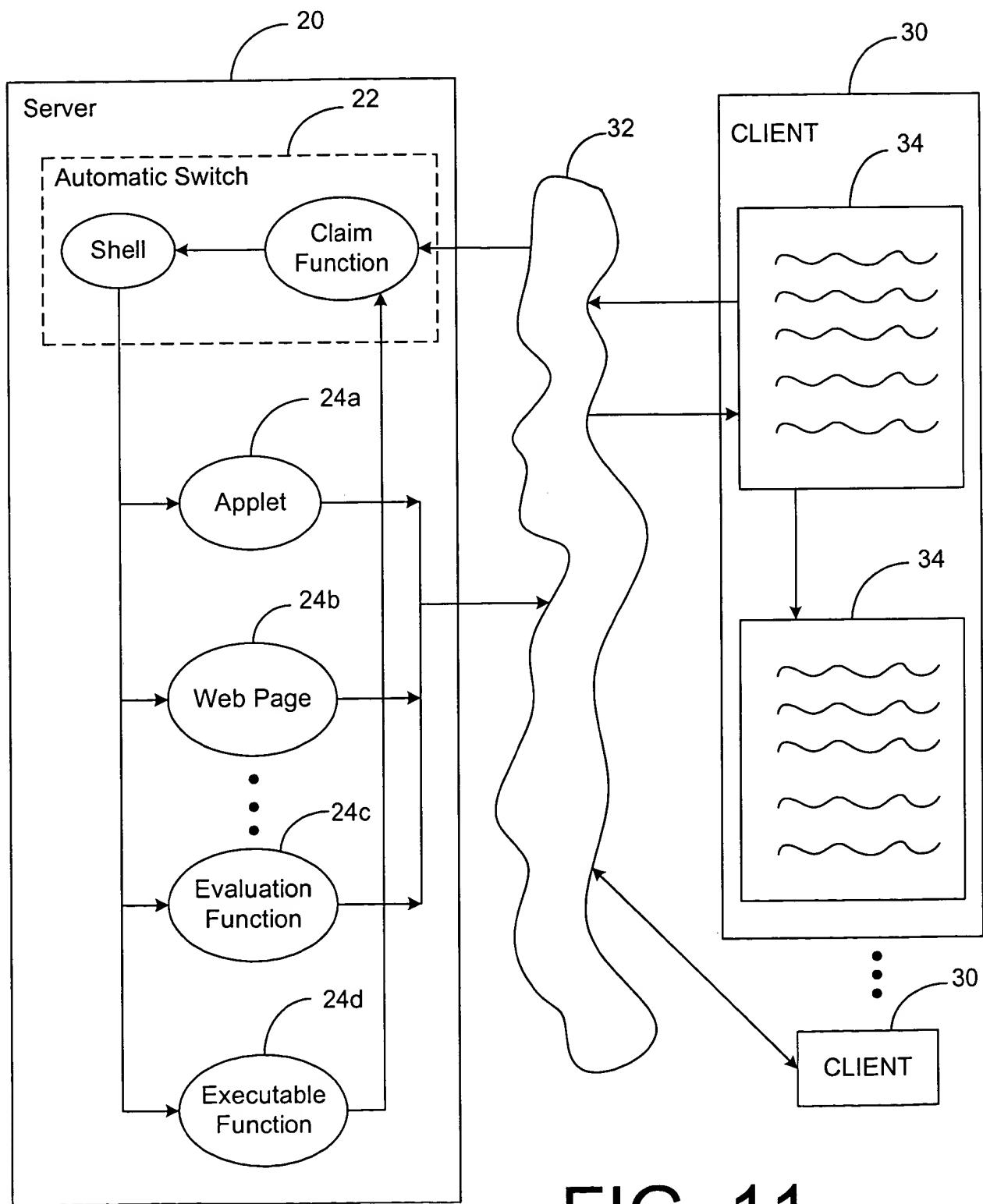


FIG. 11